

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO-1449A
NOV 09 2007
U.S. PATENT AND TRADEMARK OFFICE
**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Sheet 1 of 4 Attorney Docket Number 34644

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date DD-MMM-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
					Number-Kind Code ² (if known)	
1	US-2002/0064438	30-May-2002	Osborne Jr.			
2	US-2004/0172097	02-Sep-2004	Brodrad et al.			
3	US-2004/0180768	16-Sep-2004	Almada			
4	US-2004/0245838	09-Dec-2004	Chiu			
5	US-2005/0261114	24-Nov-2005	Heitzman et al.			
6	US-2006/0229164	12-Oct-2006	Einav			
7	US-2006/0277074	07-Dec-2006	Einav et al.			
8	US-2006/0293617	28-Dec-2006	Einav et al.			
9	US-3,919,691	11-Nov-1975	Noll			
10	US-4,499,900	19-Feb-1985	Petrofsky et al.			
11	US-4,582,049	14-Apr-1986	Ylvisaker			
12	US-4,724,842	16-Feb-1988	Charters et al.			
13	US-4,936,299	26-Jun-1990	Erlandsen			
14	US-5,070,873	10-Dec-1991	Graupe et al.			
15	US-5,193,539	16-Mar-1993	Schulman et al.			
16	US-5,193,540	16-Mar-1993	Schulman et al.			
17	US-5,211,161	18-May-1993	Stef			
18	US-5,244,441	14-Sep-1993	Dempster et al.			
19	US-5,269,318	14-Dec-1993	Nashner			
20	US-5,312,439	17-May-1994	Loeb			
21	US-5,324,316	28-Jun-1994	Schulman et al.			
22	US-5,391,128	21-Feb-1995	DeBear			
23	US-5,397,865	14-Mar-1995	Park			
24	US-5,405,367	11-Apr-1995	Schulman et al.			
25	US-5,454,774	03-Oct-1995	Davis			
26	US-5,466,213	14-Nov-1995	Hogan et al.			
27	US-5,476,103	19-Dec-1995	Nahsner			
28	US-5,476,428	19-Dec-1995	Potash et al.			

Examiner
SignatureDate
Considered

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered.
Include copy of copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional).

2 See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

6 Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	10/597,671
Filing Date	June 4, 2007
First Named Inventor	Omer EINAV et al
Art Unit	1646
Examiner Name	Not Yet Available

Sheet 2 Of 4 Attorney Docket Number 34644

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
29	US-5,662,693		02-Sep-1997	Johnson et al.	
30	US-5,690,389		25-Nov-1977	Ekman et al.	
31	US-5,836,304		17-Nov-1998	Kellinger et al.	
32	US-5,846,086		08-Dec-1998	Bizzi et al.	
33	US-5,919,115		06-Jun-1999	Horowitz et al.	
34	US-5,954,621		21-Sep-1999	Jourtas et al.	
35	US-6,035,465		14-Mar-2000	Rogozinski	
36	US-6,051,017		18-Apr-2000	Loeb et al.	
37	US-6,057,828		02-May-2000	Rosenberg et al.	
38	US-6,061,004		09-May-2000	Rosenberg et al.	
39	US-6,246,200		12-Jun-2001	Blumenkranz et al.	
40	US-6,270,445		07-Aug-2001	Dean Jr. et al.	
41	US-6,478,721		12-Nov-2002	Hunter	
42	US-6,645,126		11-Nov-2003	Martin et al.	
43	US-6,774,885		10-Aug-2004	Even-Zohar	
44	US-6,829,510		07-Dec-2004	Nathan et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Documents Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date DD-MMM-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T 6
45	JP 02-102652		16-Apr-1990	Yokogawa		
46	EP 0304538		01-Mar-1989	Futakami		
47	EP 0862930		09-Sep-1998	Riva Violetta et al.		
48	JP 11-253504		21-Sep-1999	Aoki		
49	JP 2002-127058		08-May-2002	Kawakami		
50	JP 2003-164544		10-Jun-2003	Yoshihiro et al.		
51	PCT WO 02/092164		21-Nov-2002	Brodrard et al.		
52	PCT WO 02/13673		21-Feb-2002	Kotlik et al.		
53	PCT WO 2004/050172		17-Jun-2004	Koeneman et al.		
54	PCT WO 2005/074369		18-Aug-2005	Einav		
55	PCT WO 2005/074370		28-Aug-2005	Einav		

xaminer Signature Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional).² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete If Known	
Application Number	10/597,671
Filing Date	June 4, 2007
First Named Inventor	Omer EINAV et al
Art Unit	1646
Examiner Name	Not Yet Available

Sheet 3 Of 4 Attorney Docket Number 34644

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

Figure 1

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered.

EXAMINER: Initial if reference considered, whether or not citation is in conformance
Include copy of copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional).

² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document.

³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3)

4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.
5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.
6 Applicant is to place a check mark here if English language translation is attached.
This collection of information is required by 37 CFR 1.71 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14, this collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this or other suggestions for doing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/597,671
				Filing Date	June 4, 2007
				First Named Inventor	Omer EINAV et al
				Group Art Unit	1646
				Examiner Name	Not Yet Available
Sheet	4	Of	4	Attorney Docket Number	34644
OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
	69	Backlife "The Backlife Idea", Product Information, <http://www.backlife.com>, 27 P., 2003.			
	70	Bak "The Complex Motion of Standing Still. Hydraulics, Sensors, and Human Modeling Dsta-Unified by Proprietary Software", <http://www.designnews.com/article/CA73202>, 5 P., 2001.			
	71	Burgar et al. "Development of Robots for Rehabilitation Therapy: The Palo Alto VA/Stanford Experience", Journal of Rehabilitation Research and Development, 37(6): 663-673, 2000.			
	72	Cameron et al. "Micromodular Implants to Provide Electrical Stimulation of Paralyzed Muscles and Limbs", IEEE Transactions on Biomedical Engineering, 44(9): 781-790, 1997. Abstract.			
	73	Graupe "EMG Pattern Analysis for Patient-Responsive Control of FES in Paraplegics for Walker-Supported Walking", IEEE Transactions on Biomedical Engineering, 36(7): 711-719, 1989. P.711, 1-h Col., Paragraph 1 -r-h Col., Paragraph 1, Figs.3, 5, P.716, 1-h Col., Figs.			
	74	Messinger "ReAbility Games: Island Hunt Catch'em Patrol Muzment", Detailed Specifications Document, NOKs Technologies, Version 1.0, 16 P., 2004.			
	75	Micromedical "BalanceQuest: Computerized Dynamic Posturography", Micromedical Technologies, <http://www.micromedical.com>, 6 P., 2001.			
	76	Motek "Motek Medical Rehabilitation: Rehabilitation", <http://www.e-motek.com>, 1 P.			
	77	Peasgood et al. "EMG-Controlled Dosed Loop Electrical Stimulation Using A Digital Signal Processor", Electronics Letters, 36(22): 1832-1833, 2000. P.1832, 1-h Col., Paragraph 1, Fig.1, P.1833, r-h Col., Paragraph 1.			
	78	Richardson et al. "Comparing Smooth Arm Movement With the Two-Thirds Power Law and the Related Segmented-Control Hypothesis", The Journal of Neuroscience, 22(18): 8201-8211, 2002.			
	79	Viviani et al. "Trajectory Determines Movement Dynamics", The Journal of Neuroscience, 7: 431-437, 1982.			
	80	Viviani et al. "Minimum-Jerk, Two-Thirds Power Law, and Isochrony: Converging Approaches to Movement Planning", Journal of Experimental Psychology: Human Perception and Performance, 17: 32-53, 1995.			
Examiner Signature				Date Considered	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered.
Include copy of copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional).

² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

⁶ Application is placed checked mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14, this collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450